

US EPA ARCHIVE DOCUMENT

000 67303

1. Chemical: Chlorothalonil  
Sha #: 081901
2. Formulation: Tetrachloroisophthalonitrile
3. Citation: Pitcher, F. 1972. Tetrachloroisophthalonitrile:  
Rainbow Trout (Salmo gairdneri): Test No. 503  
Unpublished study by U.S. Agricultural Research Service,  
Pesticide Regulation Division, Animal Biology Lab.  
Acc. # 130256.
4. Reviewer: Daniel Rieder  
Wildlife Biologist, Section 2 5.
5. Review Date: Sept 24, 1982
6. Test Type: 96-hr LC50  
Species: Rainbow Trout  
Test Material: Bravo® W-75 (75% a.i.)
7. Results:  
96-hour LC50 = 103 ppb (95% C.L. = 98 to 108 ppb)
8. Reviewers Conclusion: This study was scientifically conducted and  
meets guideline requirements for a study with the  
formulated product. It shows that Bravo W-75  
is highly toxic to rainbow trout.

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### Methods

Twenty rainbow trout (10/container) were tested at each of 6 levels (49, 65, 87, 120, 160, and 210 ppb). The average length was 44.2 mm, average weight was 0.765 gm. Bravo® W-75 was the test material, it is 75% chlorothalonil. Two 5 gallon test containers were used per level, each container had 15 liters of test solution.

### Results

The loading factor was approximately 0.5g/liter.

#### MORTALITY DATA

<u>Concentration (ppb)</u>	<u>Number tested</u>	<u>Mortality after 96 hours</u>
49	20	0
65	20	0
87	20	2
120	20	18
160	20	20
210	20	20

### Discussion

The test material was Bravo® W-75 which is 75% active ingredient, therefore this is considered to be a test with a formulated product rather than with a technical product. It would be useful when this particular formulation is being considered.

### Conclusion

Category: Core (with formulated product)

Rationale: The test material was a formulated product which contained 75% chlorothalonil.